

PATENT

Atty. Dkt. No. ATT/2000-0636

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Currently amended) A method of deriving information based on activities of a plurality of mobile ~~users~~ devices, the method comprising:

tracking movement of a plurality of mobile ~~users~~ devices across a wireless network;

identifying a group of mobile ~~users~~ devices ~~engaged~~ utilized in a common location-based activity from the plurality of mobile ~~users~~ devices based on the tracked movement; ~~and~~

determining a group property associated with the group of mobile ~~users~~ devices; and

providing a customized service derived from said tracked movement to at least one mobile device of the group.

2. (Currently amended) The method according to claim 1, wherein the location-based activity is selected from a group ~~consisting~~ comprising of traveling in a geographic region, traveling to a geographic region, traveling from a geographic region, and being in a geographic region but not traveling.

3. (Original) The method according to claim 1, further comprising deriving a group condition based on the determined group property.

4. (Original) The method according to claim 3, wherein the derived group condition comprises a traffic condition in a geographic region.

5. (Currently amended) The method according to claim 4, ~~further comprising providing customized services to at least one mobile user of the group wherein said~~ providing step is based on the derived traffic condition.

PATENT

Atty. Dkt. No. ATT/2000-0636

6. (Currently amended) The method according to claim 5, wherein the customized ~~services~~ service ~~include~~ includes providing alternate routes in the event the derived traffic condition corresponds to traffic congestion.

7. (Original) The method according to claim 3, further comprising providing information corresponding to the derived group condition to an interested party.

8. (Currently amended) The method according to claim 3, further comprising:
identifying a second group of mobile ~~users~~ devices having a potential interest in obtaining the derived group condition; and
providing the derived group condition to the one or more mobile ~~users~~ devices of the second group.

9. (Currently amended) The method according to claim 1, further comprising:
identifying a second group of mobile users having a potential interest in obtaining the determined group property; and
providing the determined group property to the one or more mobile ~~users~~ devices of the second group.

10. (Currently amended) The method according to claim 1, further comprising dynamically updating group information corresponding to the mobile ~~users~~ devices of the group.

11. (Currently amended) The method according to claim 10, wherein the updating includes modifying the group information to reflect one of an addition of a new mobile ~~user~~ device to the group and a deletion of a mobile ~~user~~ device from the group.

12. (Currently amended) The method according to claim 10, wherein the updating includes modifying the group information to reflect new activity information of mobile ~~users~~ devices of the group.

PATENT

Atty. Dkt. No. ATT/2000-0636

13. (Currently amended) The method according to claim 1, ~~further comprising providing customized service to at least one mobile user of the group wherein said providing step is~~ based on the one or more determined group properties.

14. (Currently amended) The method according to claim 1, further comprising maintaining a database of information including at least one of group information corresponding to the mobile ~~users~~ devices of the group, group conditions and group properties.

15. (Currently amended) The method according to claim 14, further comprising dynamically updating the database of information based on the activities of the plurality of mobile ~~users~~ devices.

16. (Currently amended) The method according to claim 15, wherein the plurality of mobile ~~users~~ devices are tracked based on the database of information.

17. (Currently amended) A method of providing a service[[s]] to a plurality of mobile ~~users~~ devices, the method comprising:

tracking the mobile ~~users~~ devices across a wireless network;

identifying a group of mobile ~~users~~ devices sharing one or more common traits from the mobile ~~users~~ devices; and

providing a customized service to at least one mobile ~~user~~ device of the group of mobile ~~users~~ devices ~~based on derived from~~ the one or more common traits.

18. (Currently amended) The method according to claim 17, wherein tracking the mobile ~~users~~ devices comprises tracking movement of the mobile ~~users~~ devices and identifying a group of mobile ~~users~~ devices comprises identifying a group of mobile ~~users~~ devices ~~engaged~~ utilized in one or more common location-based activities.

19. (Currently amended) A method of deriving information based on activities

PATENT

Atty. Dkt. No. ATT/2000-0636

of mobile users devices, the method comprising:

tracking the mobile users devices across one or more wireless networks;

identifying a group of mobile users devices sharing one or more common traits from the mobile users devices; and

determining one of a group condition and a group property of the identified group of mobile users devices; and

providing a customized service derived from the one or more common traits to at least one mobile device of the identified group.

20. (Currently amended) A system for deriving information based on the activity of mobile users devices, the system comprising:

memory medium for maintaining information corresponding to a movement of mobile users devices in order to track the movement of mobile users devices; and

at least one processor for identifying a group of mobile users devices engaged utilized in one or more common location-based activities from the mobile users devices based on the tracked movement, and for determining a group property associated with the group of mobile users devices, and for providing a customized service derived from said tracked movement to at least one mobile device of the group.

21. (Currently amended) The system according to claim 20, wherein the location-based activity is selected from a group ~~consisting~~ comprising of traveling in a geographic region, traveling to a geographic region, traveling from a geographic region, and being in a geographic region but not traveling.

22. (Original) The system according to claim 20, wherein the processor further derives a group condition based on the determined group property.

23. (Original) The system according to claim 22, wherein the derived group condition comprises a traffic condition in a geographic region.

24. (Currently amended) The system according to claim 23, wherein the

PATENT

Atty. Dkt. No. ATT/2000-0636

customized ~~services are~~ service is provided to the at least one mobile user device of the group based on the derived traffic condition.

25. (Currently amended) The system according to claim 24, wherein the customized ~~services include~~ service includes providing alternate routes in the event the derived traffic condition corresponds to traffic congestion.

26. (Original) The system according to claim 22, wherein information corresponding to the derived group condition is provided to an interested party.

27. (Currently amended) The system according to claim 22, wherein a ~~second~~ separate group of mobile users having a potential interest in obtaining the derived group condition is identified, and the derived group condition is provided to a respective one or more mobile devices of the one or more mobile users of the ~~second~~ separate group.

28. (Currently amended) The system according to claim 20, wherein a ~~second~~ separate group of mobile users having a potential interest in obtaining the determined group property is identified, and the determined group property is provided to a respective one or more mobile devices of the one or more mobile users of the ~~second~~ separate group.

29. (Currently amended) The system according to claim 20, wherein group information corresponding to the mobile users devices of the group is dynamically updated.

30. (Currently amended) The system according to claim 29, wherein the group information is updated by modifying the group information to reflect one of an addition of a new mobile user device to the group and a deletion of a mobile user device from the group.

31. (Currently amended) The system according to claim 29, wherein the group

PATENT

Atty. Dkt. No. ATT/2000-0636

information is updated by modifying the group information to reflect new activity information of mobile ~~users~~ devices of the group.

32. (Currently amended) The system according to claim 20, wherein the customized service is provided to the at least one mobile ~~user~~ device of the group based on the one or more determined group properties.

33. (Currently amended) The system according to claim 20, wherein the memory medium further maintains a database of information including at least one of group information corresponding to the mobile ~~users~~ devices of the group, group conditions and group properties.

34. (Currently amended) The system according to claim 33, wherein the database of information is dynamically updated based on the activities of the plurality of mobile ~~users~~ devices.

35. (Currently amended) The system according to claim 34, wherein the plurality of mobile ~~users~~ devices is tracked based on the database of information.

36. (Currently amended) A system for providing a customized service~~[[s]]~~ to mobile ~~users~~ devices, comprising:

memory medium for maintaining information corresponding to the mobile ~~users~~ devices in order to track the mobile ~~users~~ devices; and

at least one processor for identifying a group of mobile ~~users~~ devices sharing one or more common traits from the mobile ~~users~~ devices and facilitating provision of a customized service to at least one mobile user device of the group ~~based on~~ derived from the one or more common traits.

37. (Currently amended) The system according to claim 36, wherein the memory medium maintains movement information of the mobile ~~users~~ devices to track the movement of the mobile ~~users~~ devices, and the processor identifies a group of

PATENT

Atty. Dkt. No. ATT/2000-0636

mobile ~~users~~ devices ~~engaged~~ utilized in one or more common location-based activities.

38. (Currently amended) A system for determining group characterization of mobile ~~users~~ devices based on the activity of the mobile ~~users~~ devices, comprising:

memory medium for maintaining information on the mobile ~~users~~ devices to track the mobile ~~users~~ devices; and

at least one processor for identifying a group of mobile ~~users~~ devices sharing one or more common traits from the mobile ~~users~~ devices, and for determining one of a group condition and a group property of the identified group of mobile ~~users~~ devices, and for providing a customized service derived from the one or more common traits to at least one mobile device of the identified group.

39. (Currently amended) A method of deriving information based on activities of a plurality of mobile ~~users~~ devices, the method comprising:

tracking movement of a plurality of mobile ~~users~~ devices operating mobile communication devices, across a wireless network;

identifying a group of mobile ~~users~~ devices traveling around a particular area;

determining a group velocity associated with the group of mobile ~~users~~ devices;

and

deriving a traffic condition around the particular area based on the determined group velocity; and

providing a customized service derived from said traffic condition to at least one mobile device of the group.